

# Decision Support Briefing

## Southeast River Forecast Center



# Decision Support Briefing

## Tropical Storm Zeta



**Issued:** 1:37 PM ET Tuesday, October 27, 2020



Weather Ready Nation



NWSSERFC



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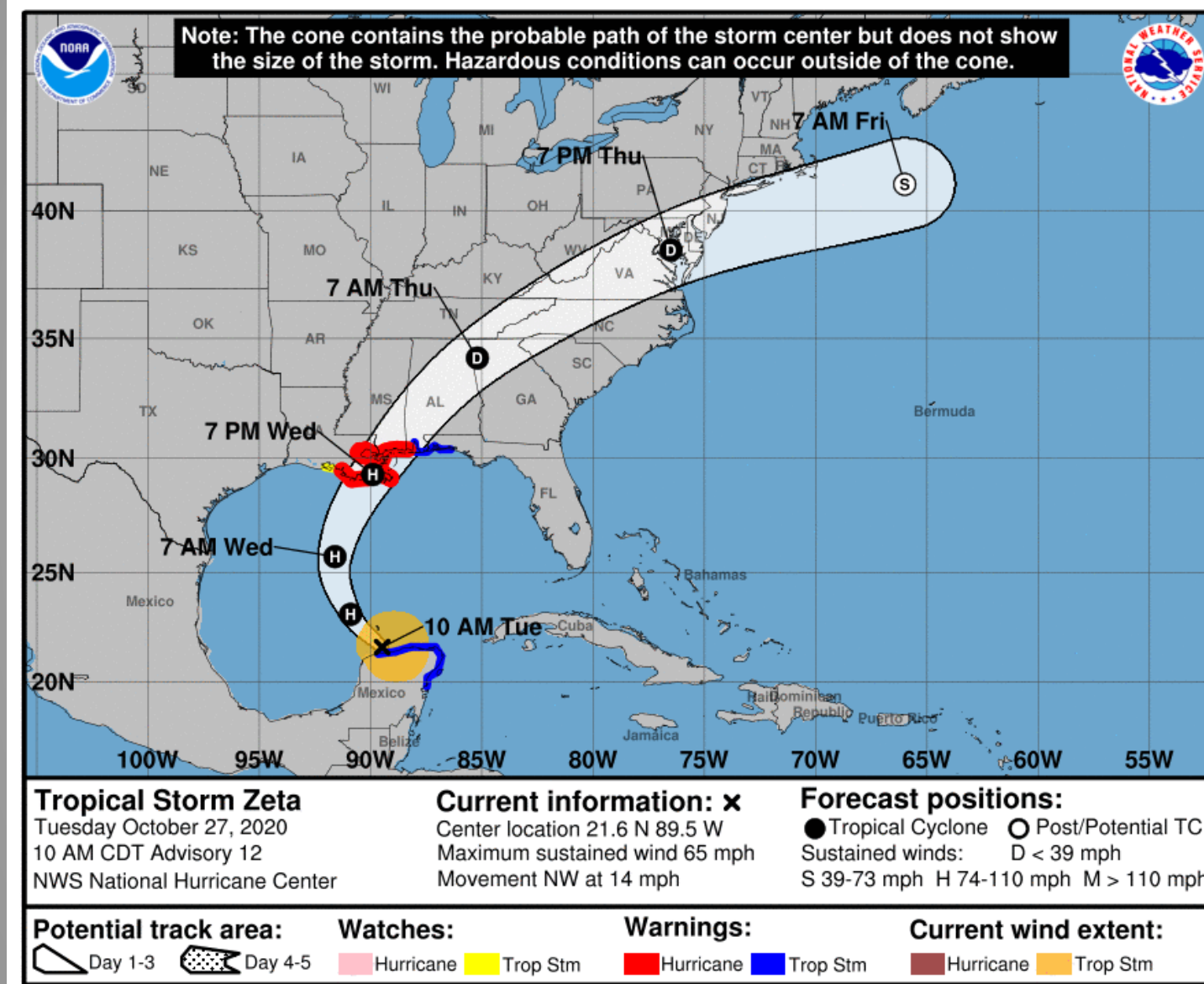
- **Zeta is expected to make land fall on the northern Gulf Coast Wednesday evening and move quickly through the southeast U.S., moving off the mid-Atlantic coast overnight Thursday.**
- **Expected rainfall totals of 2 to 4 inches with isolated amounts of 6 inches possible from the Alabama Gulf Coast through parts of eastern Mississippi, Alabama, northern Georgia and into the Carolinas.**
- **The forecast of track and strength remains uncertain for Zeta, and this will have an impact on the overall rainfall forecast and flooding potential. Please continue to monitor your local weather forecast office for updated information.**

# Tropical Storm Zeta

Zeta should affect the Southeast by midweek

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The latest forecast for Tropical Storm Zeta is to move northwestward into the Gulf of Mexico, and then turn northward as it interacts with a continental low pressure system.

It is expected to be a fast moving storm once it makes landfall along the gulf coast. This should help limit the rainfall totals.

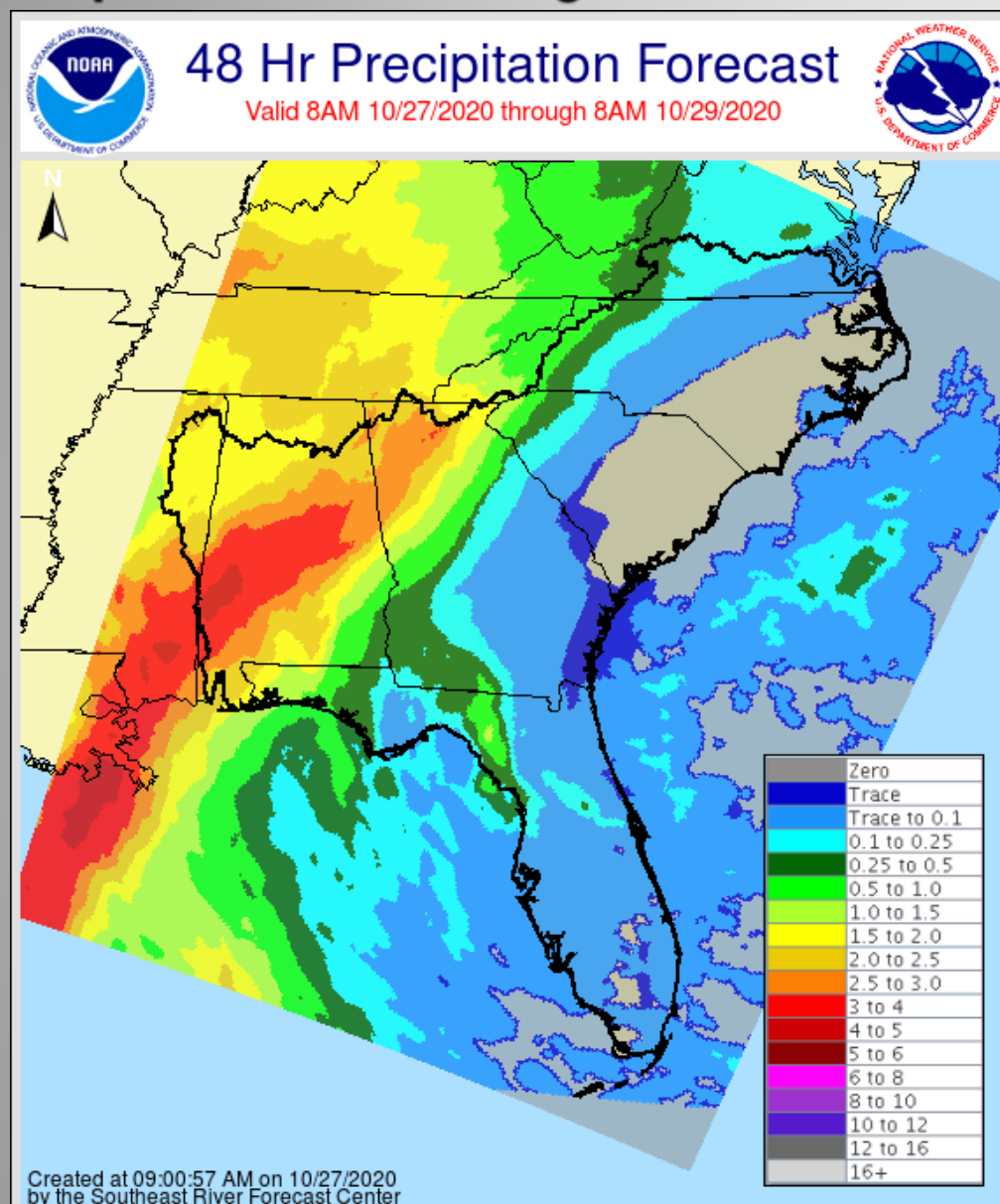


# 48-hour rainfall forecast

Current depiction of what is being used to forecast rivers

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Here is the 48-hour rainfall forecast that is being used to produce the SERFC river forecasts. The heaviest rainfall is expected in central Alabama following the path of Zeta. If the path changes, that would change the location of the heaviest rainfall.

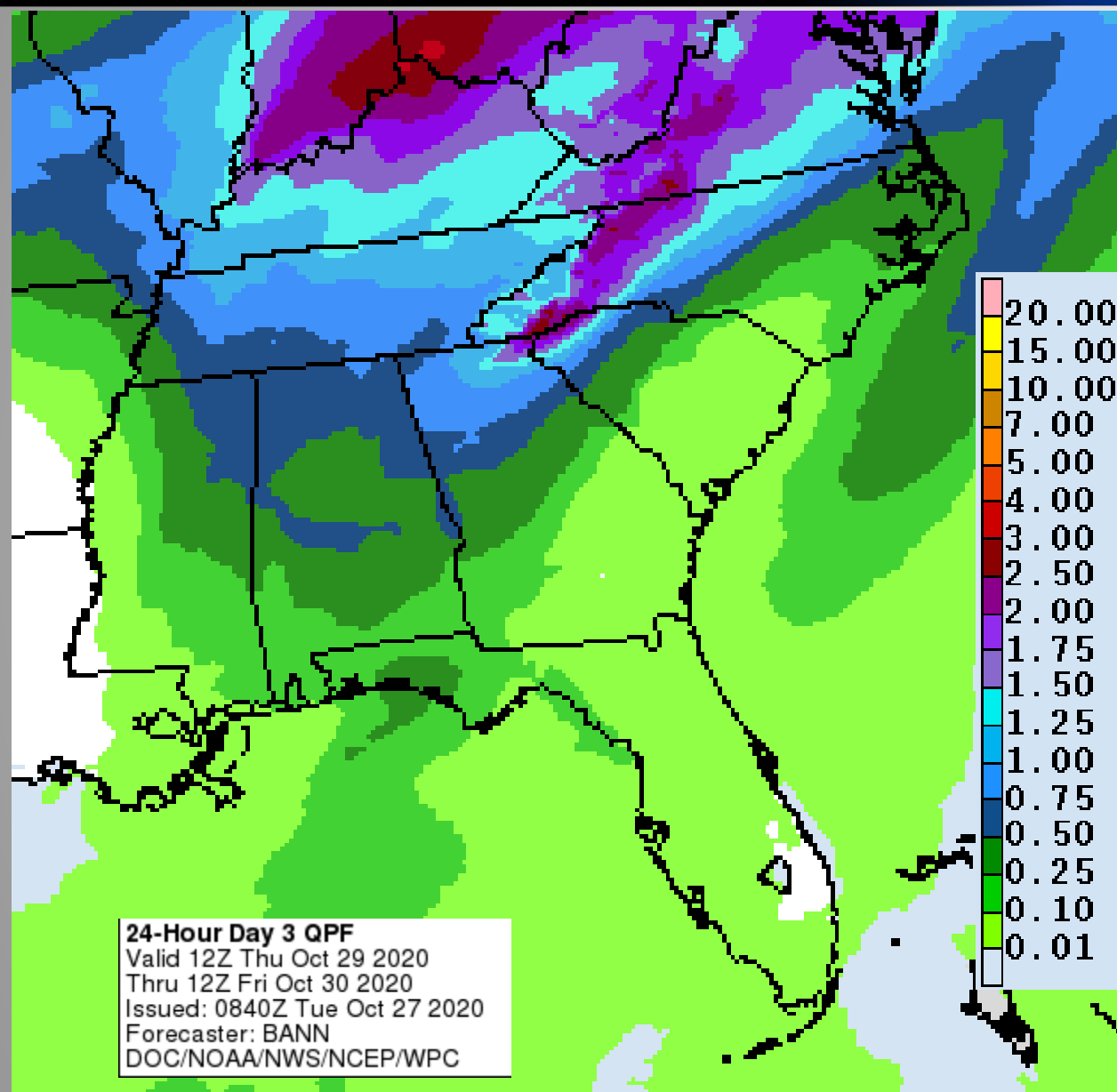
While there is confidence in the current track forecast, please monitor changes to the forecast in the coming days.

# Day 3 rainfall

Provided by the Weather Prediction Center

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Here is the day 3 rainfall forecast from the Weather Prediction Center which goes from 8 am Thursday morning until 8 am on Friday. This rainfall forecast is currently not being used in today's river forecasts.

This rainfall will be included in the river forecasts this evening and Wednesday morning as it moves into the 48 hour window.

Please continue to watch in the coming days for changes.

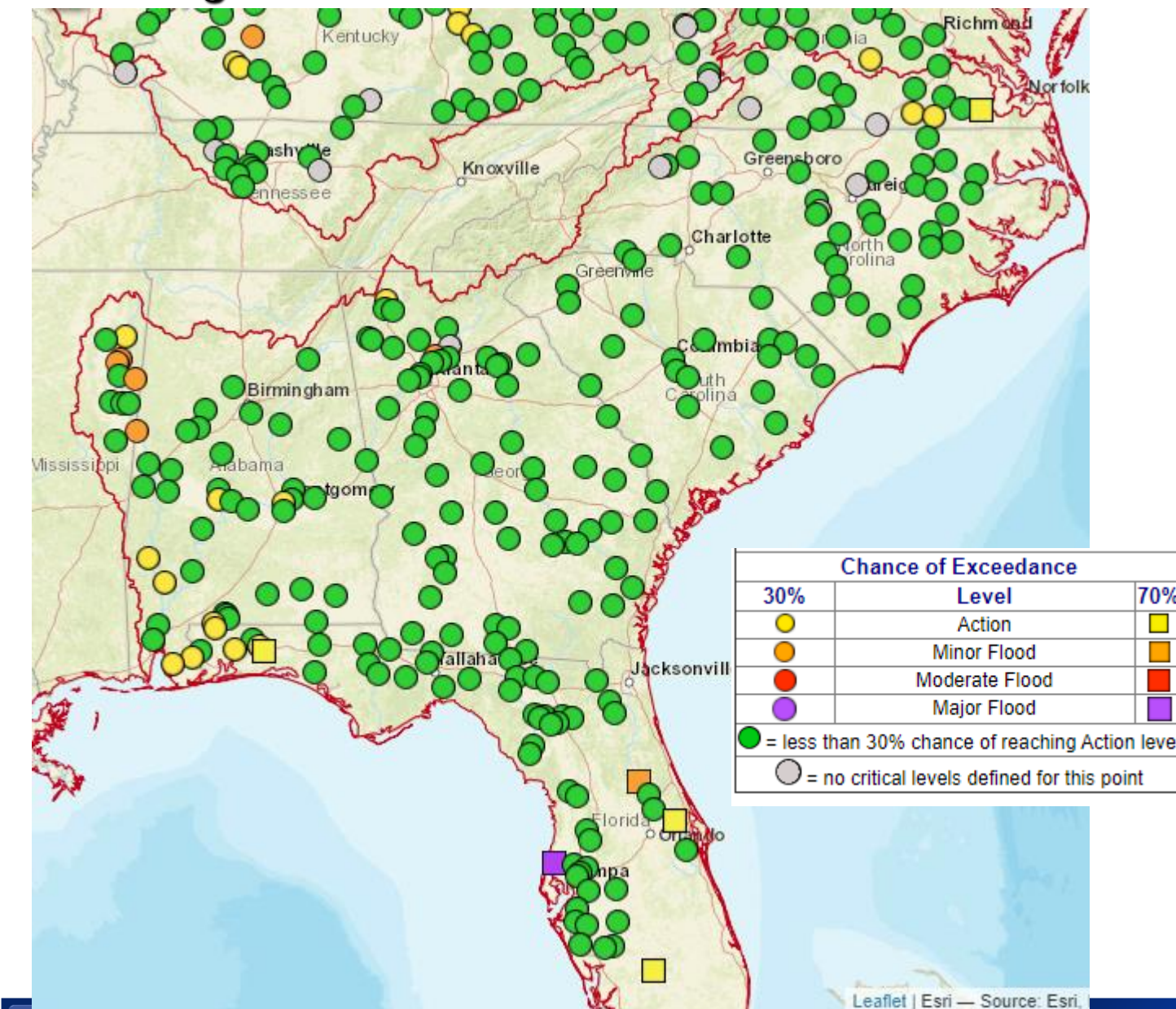


# Flooding Potential (MMEFS)

Meteorological Model Ensemble Forecast

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Since our operational forecast doesn't include day 3 rainfall due to the uncertainties of the rainfall forecast past our 48-hr window, we can look at MMEFS to help provide guidance that helps to address that uncertainty.

The MMEFS output today is most useful for the Carolinas and Virginia since the heaviest rainfall for that area is outside that window.

Please go take a look at the output from MMEFS and check back for updates.

<https://www.weather.gov/erh/mmeefs>

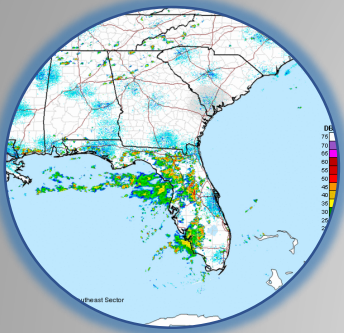


- SERFC is on normal operating hours. Normal hours are 6 am to 10 pm EDT. Please contact us if you have any questions or concerns.
- Briefings will continue through at least Thursday.

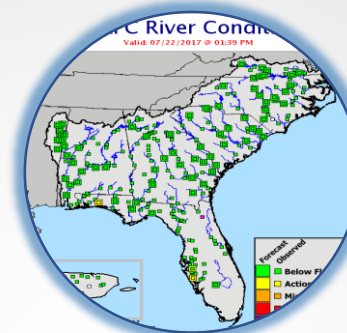
Latest River Stages and Forecasts  
are available...click here!

Please send all operational correspondence to  
[sr-alr.rivers@noaa.gov](mailto:sr-alr.rivers@noaa.gov) or call the office directly.

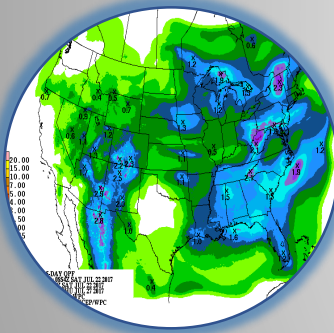




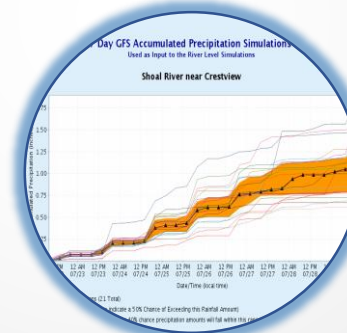
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[MMEFS – Ensemble River Forecasts](#)





- *The Decision Support briefing will continue over the next few days to update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email [sr-alr.rivers@noaa.gov](mailto:sr-alr.rivers@noaa.gov) or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*